

METHOD AND SYSTEM FOR SIMULATING AN UNSTEADY FLOW FIELD

ABSTRACT OF THE DISCLOSURE

A system and method for simulating a flow field are disclosed. A grid having cells is generated. Each cell is associated with a set of variables that describe a flow field. A value for each variable of each cell is calculated from a previous value at each period for a predetermined number of periods. The calculated values for each variable are averaged to yield an averaged value for each variable. A flow field is determined from the averaged values.